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**VERIFIED STATEMENT CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) & 1.27(c))-SMALL BUSINESS CONCERN**
DOCKET NUMBER: ATP99-03Applicant or Patentee: Pierre A. Humbler, Bruce D. Miller, Raj Shanmugara, Steven Sherry, Peter B. Beaulieu, Michael W. Fortuna,Michael C. Yin, and William AbrahamSerial or Patent No.: 09/324,454Filed or Issued: June 2, 1999Title: METHOD AND SYSTEM FOR PATH PROTECTION IN A COMMUNICATIONS NETWORK

I hereby declare that I am

- ☐ the owner of the small business concern identified below:  
☒ an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF SMALL BUSINESS CONCERN Astral Point Communications, Inc.ADDRESS OF SMALL BUSINESS CONCERN 27 Industrial Avenue - Suite 3Chelmsford, Massachusetts 01824

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.12 and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees to the United States Patent and Trademark Office, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention described in:

- ☐ the specification filed herewith with title as listed above.  
☒ the application identified above.  
☐ the patent identified above.

If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights in the invention must file separate verified statements averring to their status as small entities, and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(c).

Each person, concern or organization having any rights in the invention is listed below:

- ☒ no such person, concern, or organization exists.  
☐ each such person, concern or organization is listed below.

Separate verified statements are required from each named person, concern, or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING Raj ShanmugaraTITLE OF PERSON IF OTHER THAN OWNER President and Chief Executive OfficerADDRESS OF PERSON SIGNING 27 Industrial Avenue, Suite 3, Chelmsford, Massachusetts 01824SIGNATURE [Signature] DATE 8/2/99

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application

I, \_\_\_\_\_, a named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD AND SYSTEM FOR PATH PROTECTION IN A COMMUNICATIONS NETWORK

the specification of which (check one)

☐ is attached hereto.

☒ was filed on June 2, 1999 as United States Application

Number or PCT International Application No. 09/324,454

and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known by me to be material to patentability as defined in 37 C.F.R. §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>			Priority Not Claimed	Certified Copy Filed?	
(Number)	(Country)	(Day/Month/Year filed)		YES	NO
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year filed)			
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year filed)			
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year filed)			

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

\_\_\_\_\_  
(Application Number)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Application Number)

\_\_\_\_\_  
(Filing Date)

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information known by me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

_____ (Application Serial No.)	_____ (Filing date)	_____ (Status: patented, pending, abandoned)
_____ (Application Serial No.)	_____ (Filing date)	_____ (Status: patented, pending, abandoned)
_____ (Application Serial No.)	_____ (Filing date)	_____ (Status: patented, pending, abandoned)
_____ (Application Serial No.)	_____ (Filing date)	_____ (Status: patented, pending, abandoned)

As a named inventor, I hereby appoint the attorneys and/or agents associated with  
**Hamilton, Brook, Smith & Reynolds, P.C., Two Militia Drive, Lexington, Massachusetts 02421-4799**  
**Customer No. 21005,**

and \_\_\_\_\_,

to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please send correspondence to: ☐ Customer No. Noted Above  
or  
☒ Address below:

**Rodney D. Johnson, Esq.**  
**HAMILTON, BROOK, SMITH & REYNOLDS, P.C.**  
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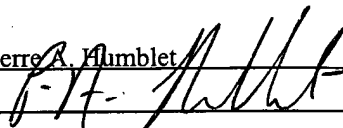
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Full name of sole

or first inventor

Pierre A. Humblet

Inventor's Signature



Date

Aug 17, 1994

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inventor, if any Bruce D. Miller

Inventor's Signature Bruce D Miller Date 8/19/99

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Full name of third joint

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Inventor's Signature [Signature] Date 6/22/99

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Full name of fourth joint

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Inventor's Signature [Signature] Date 8/19/99

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Full name of fifth joint

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Inventor's Signature Peter B. Beaulieu Date 8/19/99

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Inventor's Signature Michael W. Fortuna Date 8/19/99

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Full name of seventh joint

inventor, if any Michael C. Yip

Inventor's Signature [Signature] Date 8/19/1999

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Full name of eighth joint

inventor, if any William Abraham

Inventor's Signature William Abraham Date 8/19/99

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